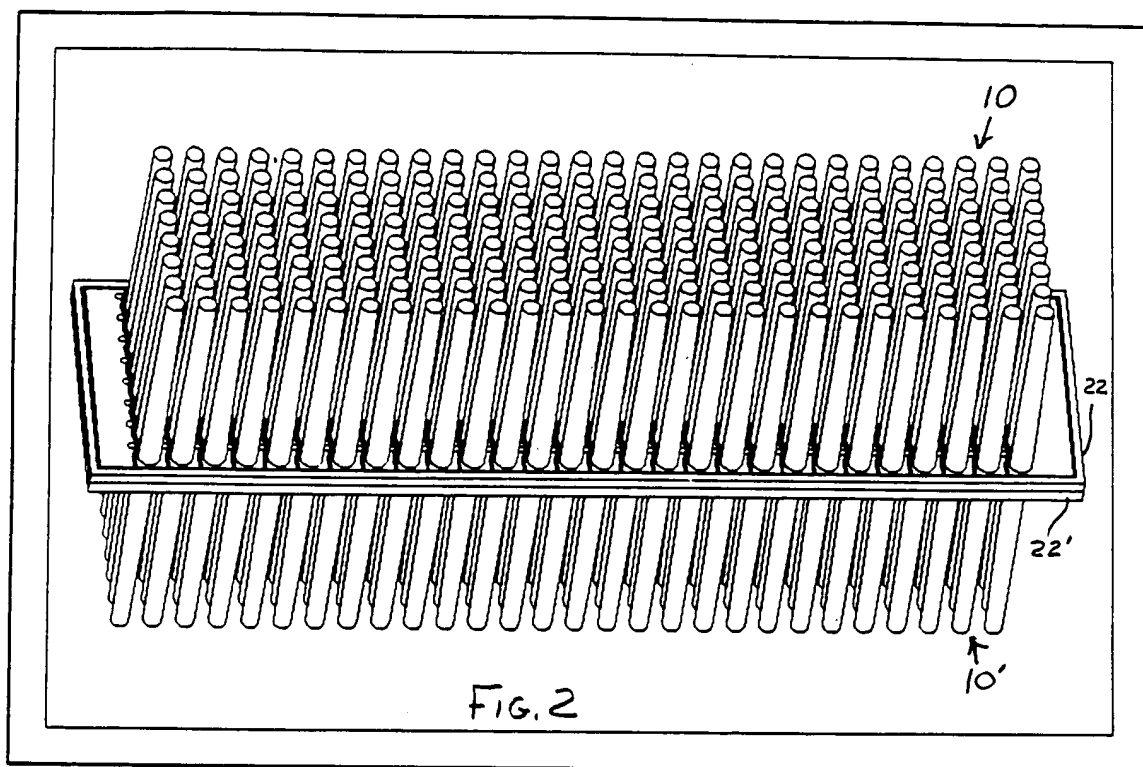
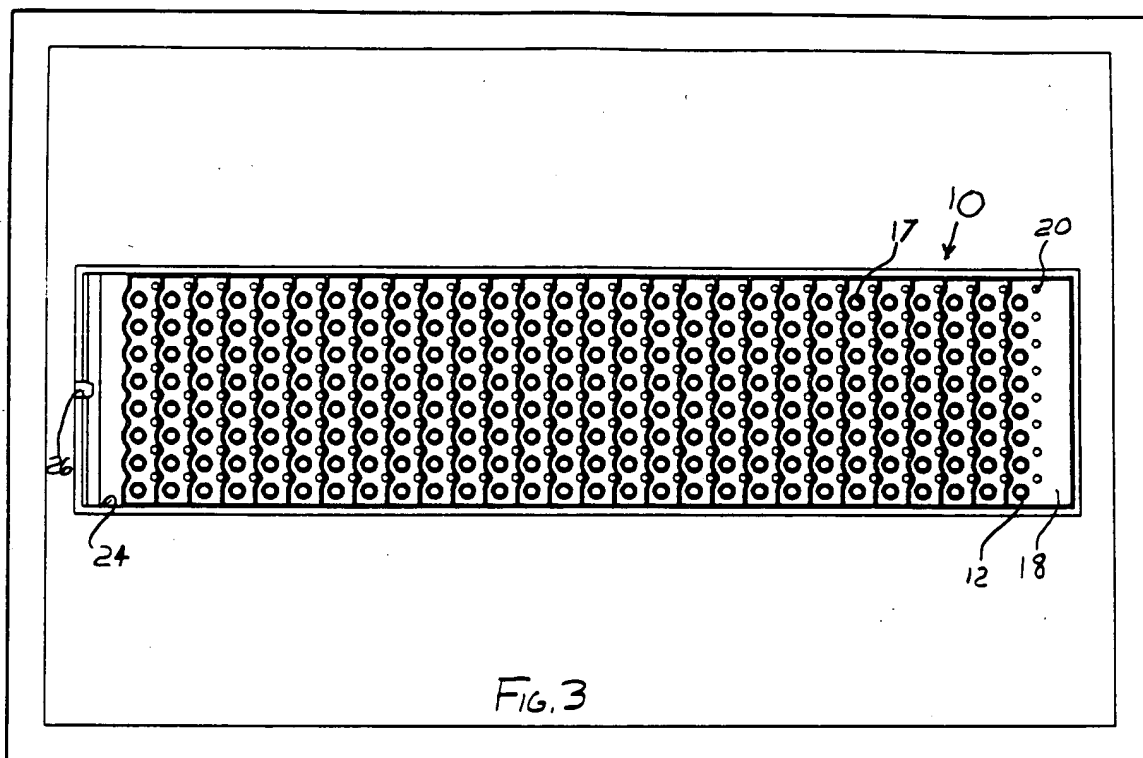


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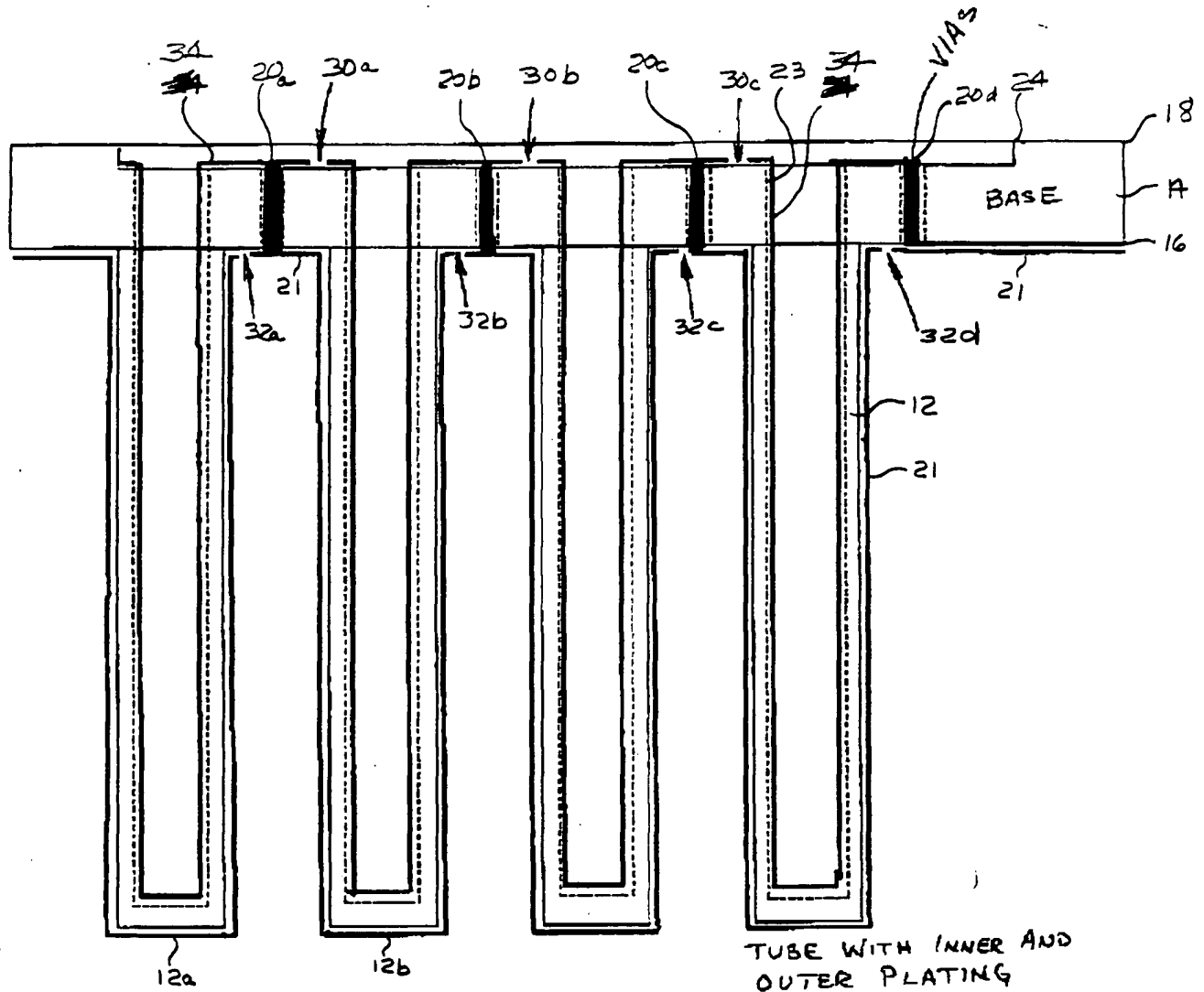


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LASER CUTS AT ARROWS CREATE SERIES CONNECTIONS,

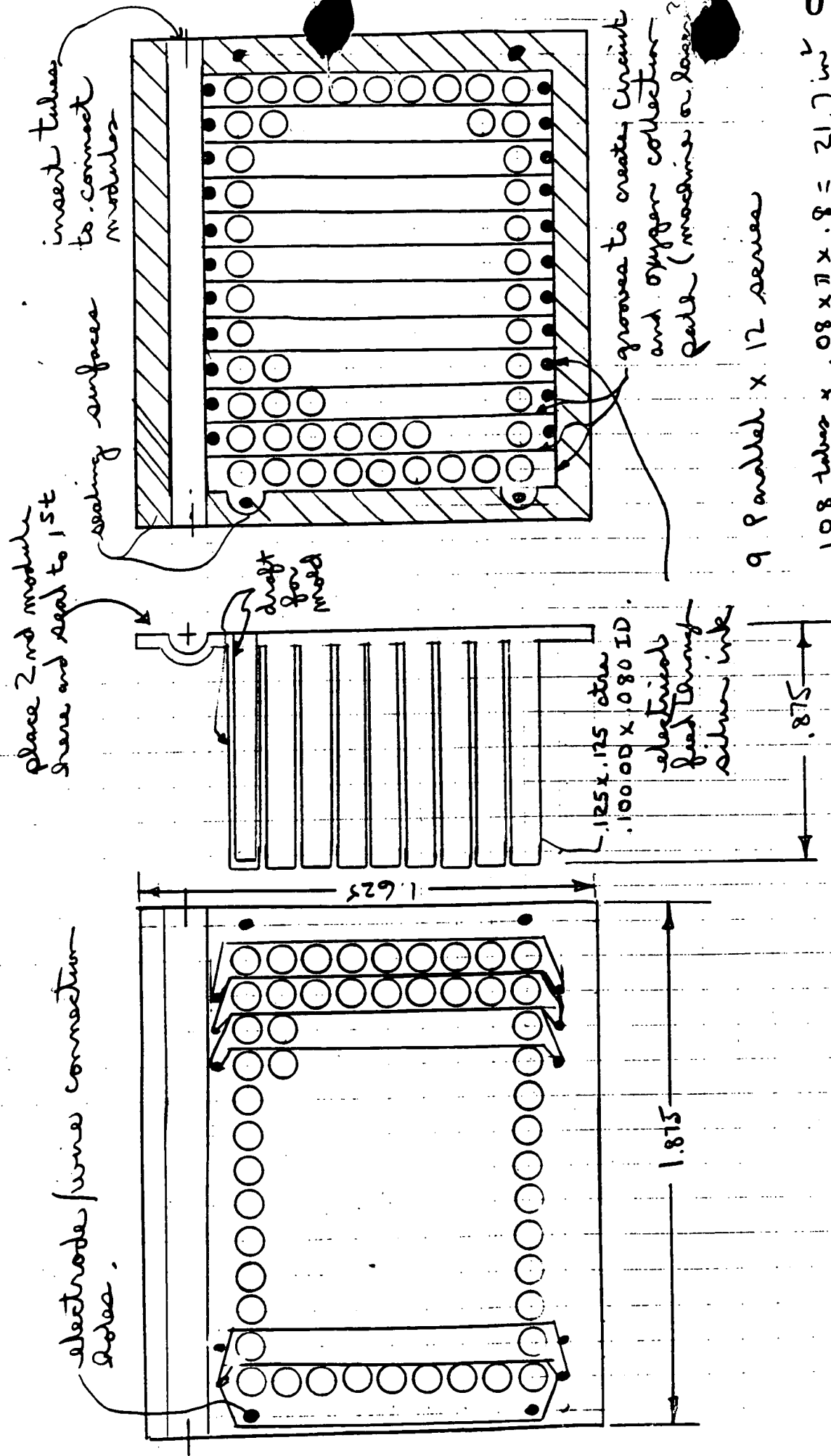


ONLY 4 ROWS OF TUBES SHOWN FOR SIMPLICITY

FIG. 4

X-SECT. WG 2

CERAMIC OXYGEN GENERATING SYSTEM CONCEPT



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$$108 \text{ tubes} \times .08 \times \pi \times .8 = 21.7 \text{ in}^3$$

$$\frac{21.7 \text{ in}^3}{130 \text{ cc/min}} = 6 \text{ cc/min}$$

$$25 \text{ Amp/cm}^2 = 1.61 \text{ A/in}^2 \Rightarrow 6 \text{ cc/min}^2$$

$$\frac{130 \text{ cc/min}}{1.875 \times 1.625 \times .875} = 50 \text{ cc/min/in}^3$$

$$30 \text{ lpm} \Rightarrow 600 \text{ in}^3 = 8.4 \times 8.4 \times 8.4 \text{ V. Curve} \quad 10/25/94$$